

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C. 20554

In the Matter of)
Amendment of Section 73.202 (B))
Table of Allotments)
FM Broadcast Stations)
TILLAMOOK, OREGON)

TO: The Chief, Allocations Branch

RECEIVED
SEP 11 1975
FCC MAIL ROOM

Proposal

1. Brian Lord hereby respectfully requests the assignment of FM Channel 251A to the City of Tillamook, OR. as its second full-time FM service.

2. If this addition to channel assignments is approved, the table of allotments would be changed to read as follows:

CITY	EXISTING CHANNEL	PROPOSED CHANNELS
TILLAMOOK, OR.	281C3	251A, 281C3

3. An engineering statement supporting Brian Lord's proposal showing compliance with the FCC's spacing requirements is attached.

4. Brian Lord hereby states his intention to apply for a construction permit for Channel 251A if it is allotted to Tillamook.

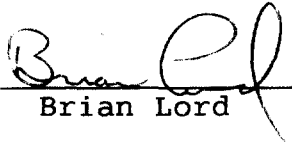
5. Brian Lord states that to the best of his knowledge all of the above statements are true.

Wherefore, in light of the foregoing, Brian Lord respectfully requests that the Commission amend the FM Table of Allotments to assign Channel 251A to the City of Tillamook, OR.

Please address any communication regarding this Petition
to:

Brian Lord
3824 SW Myrtle St.
Seattle, Washington 98126-3210
Phone 206-932-4839

Respectfully submitted

By 
Brian Lord

August 29, 1995

ENGINEERING EXHIBITS

IN SUPPORT OF
ALLOTMENT OF FM CHANNEL 251A
TO TILLAMOOK, OREGON

Mr. BRIAN LORD
(Petitioner)

RECEIVED
SEP 1 1955
TILLAMOOK

KENNETH WILLIAMS, Jr., P.E.
CONSULTING ENGINEER

P.O. BOX 7703
TACOMA, WA 98407

(206) 756-7544

ENGINEERING STATEMENT IN SUPPORT
A PROPOSAL TO ADD FM CHANNEL 251A
TO TILLAMOOK, OR

Mr. BRIAN LORD, (Petitioner)

The following Engineering data supports a request of Mr. Brian Lord, to amend the FM table of Allotment in Section 73.202(b) of the Commission's Rules. We are requesting channel 251A be added to the FM Table of Allotments.

FM channel 251A could be allotted to Tillamook Oregon, as a drop in channel.

For further information concerning this channel, please see the Commission data per D92-241-CP, which canceled channel 251A for use at Seaside, Oregon. Reconsideration was requested and denied 940627-P4R and 307 dismissed 95/03/27.

With cancellation of channel 251A at Seaside, Oregon, there are no other channels which would be in conflict with this proposal. The addition of channel 251A to Tillamook, Oregon may be made as a drop in channel without other channels being moved, deleted or changed in the current Table of FM Allotments.

As proposed herein channel 251A will not be in conflict with any presently assigned or allotted channels. Results of this assignment will not cause short spacing to existing or proposed station in the U.S. or Canada, thus permitting us to request change in the In the Table of Allotments in section 73.202(b) of the Commission's Rules.

All distance figures used in this study are metric and calculations were made using methods specified in Section 73.208 of the FCC Rules.

KENNETH WILLIAMS, JR., P.E. - Consulting Engineer - Tacoma, WA

A complete class A channel study is shown as attached Exhibit No. 1. All channel spacings are within the Commission's current minimum separation requirements at the petitioner's proposed transmitter site for Tillamook, OR.

When using our proposed restricted site, Tillamook, is well within the 70 DBU f(50,50) contour, as shown on attached Exhibit No. 2. The tabulated NGDC 30-sec. terrain and distance to contour information is shown on attached Exhibit No. 3.

We are requesting operation from a Restricted Site, located West of Tillamook.1/

All channel study distances could be complied with using the normal City Center Coordinates, the concern about using the City Center Coordinates are the local Airport and terrain which is about 6 meters AMSL. To achieve maximum class A elevation will require a tower of at least 100 meters, and as shown on Exhibit No. 4, could possibly be in line with one of the Airport runways.

By the use of the restricted site, there is reasonable terrain for an FM tower, which would not endanger the approach to the local airport.

Shown on the following pages are Exhibits which support our request for adding channel 251A to the FM Table of Allotments in Section 73.202(b), with channel 251A Allotted to Tillamook, Oregon as that Cities second FM Channel.

1/ Restricted site for Tillamook, OR: N.45°27'24" W.123°52'36"

ENGINEERS CERTIFICATION

STATE OF WASHINGTON)

) ss

COUNTY OF PIERCE)

Kenneth Williams, Jr., P.E., being duly sworn on his oath, states that he is an experienced and qualified Radio Engineer, licensed as a Registered Professional Electrical Engineer in the States of Washington and Oregon and as such maintains an office for the practice of Electrical and Communications Engineering. Having been in continuous practice as a Consulting Engineer for over 31 years, his qualifications are thus a matter of record with the Federal Communications Commission and the Federal Aviation Administration.

The Engineering data herein, was prepared by him or under his direct supervision and all representation of fact contained in said report is based on affiants measurements, information and belief and he believes all such statements herein to be true and correct.



Kenneth Williams, Jr.

(Kenneth Williams, Jr., P.E.)

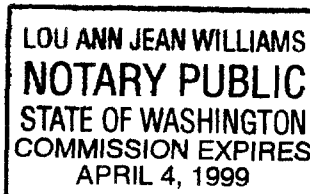
(affiant)

ENGINEERS STATE SEAL

Sworn to before me, Lou Ann Jean Williams a
Notary Public of Tacoma, Washington, on this 25th
day of August, 1995.

My Commission Expires April 4, 1999.

NOTARY STATE SEAL:



TILLAMOOK, OR - PROPOSED CHANNEL 251A - EXHIBIT No. 1

CLASS A FM CHANNEL STUDY

** CHANNEL 251 **

REFERENCE SITE - TILLAMOOK, OR

N. 45 27 24 W. 123 52 36

Channel Data	Call	City	State	File No.	Az-Deg	D-Km.	R-Km.	[Km.MARGIN]
248C2	FM LIC KSHL	Gleneden Beach	OR	BLH921029KB	189.9	79.0	55	24.0 Clear
248C1	FM LIC KNLR	Bend	OR	BLH850114LW	127.3	253.2	75	178.2 Clear
249C2	FM LIC KACIFM	The Dalles	OR	BLH900424KI	84.0	204.4	55	149.4 Clear
249A	FM LIC KSWW	Raymond	WA	BLH841105DW	3.4	137.9	31	106.9 Clear
249C3	FA VAC	Raymond	WA		3.4	137.9	42	95.9 Clear
250C	FM LIC KUGNFM	Eugene	OR	BLH910528KF	159.5	172.5	165	7.5 Clear
252A	FM LIC KYTTFM	Coos Bay	OR	BLH781103AJ	185.0	230.5	72	158.5 Clear
252C3	FM CP KTWS	Bend	OR	BPH920917IG	127.3	253.0	89	164.0 Clear
252C3	FM LIC KTWS	Bend	OR	BLH901211KB	127.3	253.0	89	164.0 Clear
253C	FM LIC KUPLFM	Portland	OR	BLH860324KF	90.2	104.0	95	9.0 Clear
254C2	FM CP KYTTFM	Coos Bay	OR	BPH930816IG	184.5	222.1	55	167.1 Clear

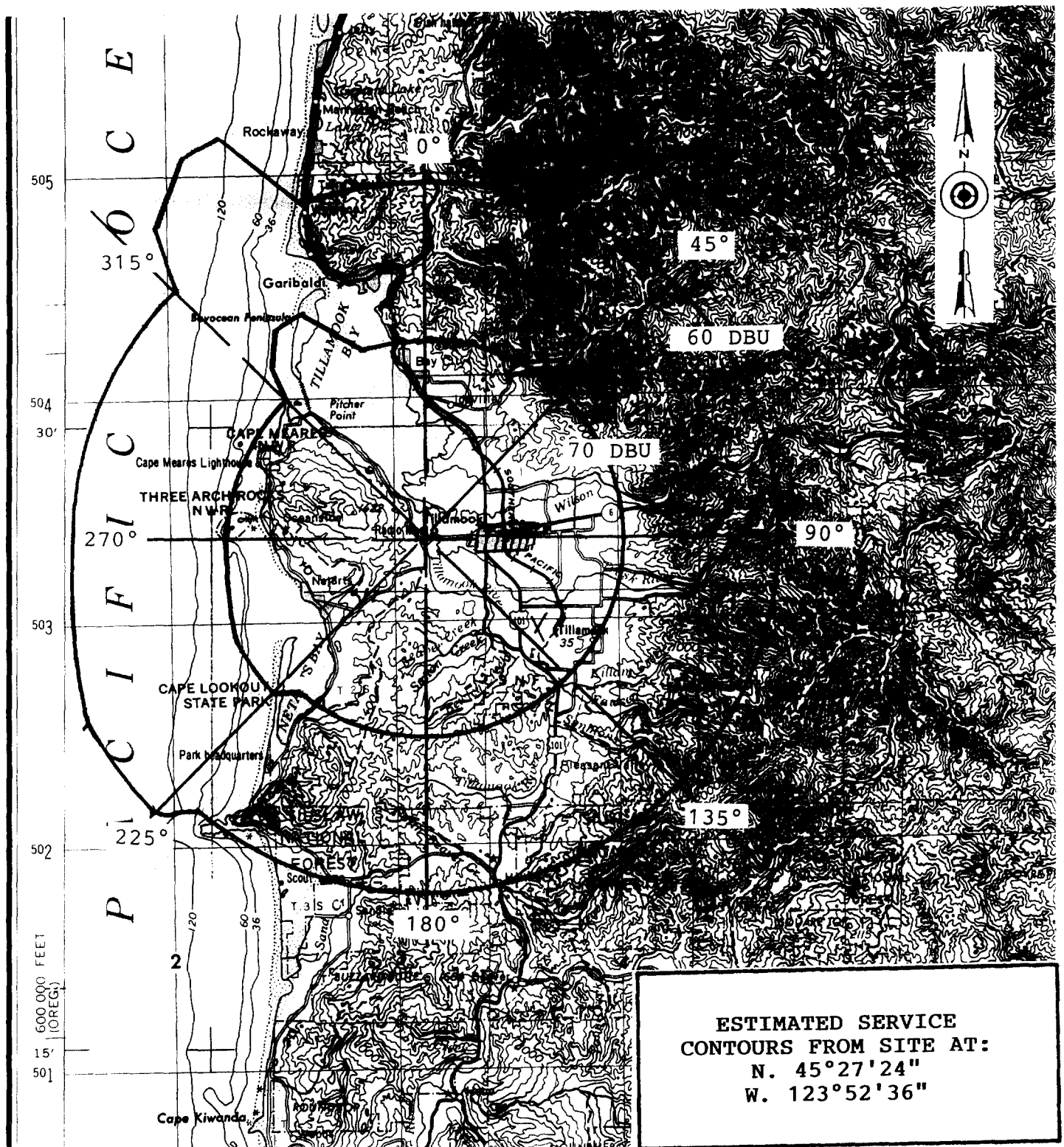
Current Rules Spacing

>>>>> END OF CHANNEL 251 SEARCH <<<<<<

For operating channel 251, there are no 10.6-10.8 mhz spacing channels, which require consideration.

KENNETH WILLIAMS, JR., P.E. - Consulting Engineer - Tacoma, WA

TILLAMOOK, OR - PROPOSED CHANNEL 251A - EXHIBIT No. 2



KENNETH WILLIAMS, JR., P.E. - Consulting Engineer - Tacoma, WA

5 0 5 10 15 20 25 30 Kilometres

TILLAMOOK, OR - PROPOSED CHANNEL 251A - EXHIBIT No. 3

**SERVICE CONTOURS SHOWN AS EXHIBIT No. 2 ARE BASED
ON THE FOLLOWING NGDC 30-SEC TERRAIN DATA.
ANTENNA CENTER HEIGHT AMSL WAS TAKEN AS 50 METERS
AND POWER OF 6 KW ERP (7.78 DBK).**

Starting point coordinates: 45 27 24 123 52 36

Maximum distance: 16.0 km Distance increment: .100 km

Azimuth	Endpoint Coordinates		3 - 16 km Average Elevation	Total Path Delta H
-----	-----	-----	-----	-----
.0	45.6006	123.8767	66.9 meters	136.3 meters
45.0	45.5583	123.7313	170.0	254.2
90.0	45.4565	123.6715	173.1	361.4
135.0	45.3548	123.7318	143.5	301.1
180.0	45.3127	123.8767	94.6	93.0
225.0	45.3548	124.0215	15.9	74.3
270.0	45.4565	124.0818	55.7	225.6
315.0	45.5583	124.0220	19.6	82.2

Average of all radials: 92.4 meters

DISTANCES TO CONTOURS (kilometers):

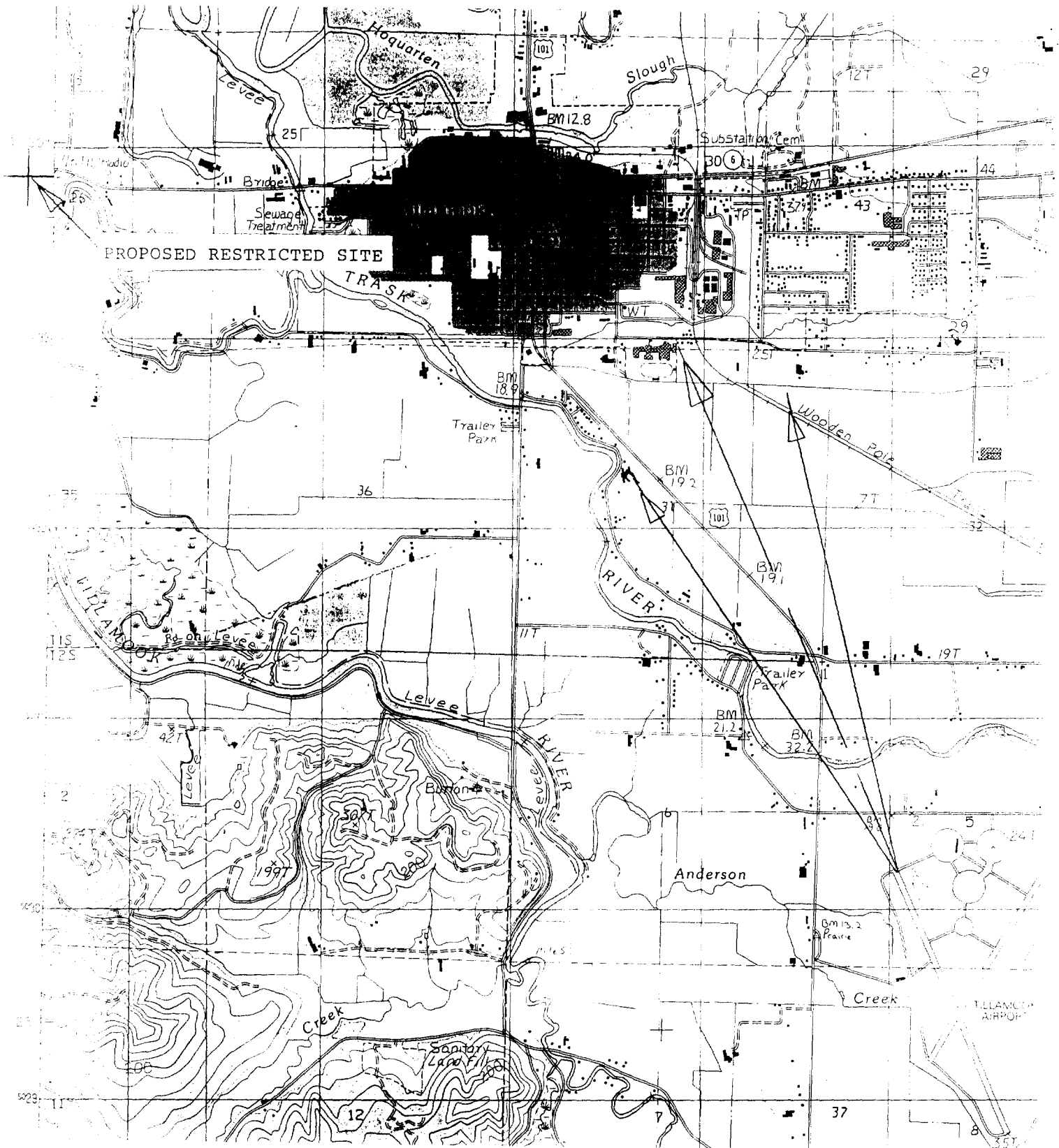
Frequency: 98.1000 MHz

F(50,50) Curves Number of Contours: 2

AZ	HAAT	ERP	CONTOUR LEVELS (dBu):	
(deg)	(m)	(dBk)	70.0	60.0
.0	-17	7.78	8.9	15.9
45.0	-120	7.78	8.9	15.9
90.0	-123	7.78	8.9	15.9
135.0	-93	7.78	8.9	15.9
180.0	-45	7.78	8.9	15.9
225.0	34	7.78	9.4	16.8
270.0	-6	7.78	8.9	15.9
315.0	30	7.78	8.9	15.9

KENNETH WILLIAMS, JR., P.E. - Consulting Engineer - Tacoma, WA

TILLAMOOK, OR - PROPOSED CHANNEL 251A - EXHIBIT No. 4



KENNETH WILLIAMS, JR., P.E. - Consulting Engineer - Tacoma, WA

